

## Product datasheet for **RC220714L2V**

### SPRED1 (NM\_152594) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SPRED1 (NM_152594) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SPRED1
Synonyms:	hSpred1; LGSS; NFLS; PPP1R147; spred-1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_152594
ORF Size:	1332 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220714).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_152594.1</a> , <a href="#">NP_689807.1</a>
RefSeq Size:	3816 bp
RefSeq ORF:	1335 bp
Locus ID:	161742
UniProt ID:	<a href="#">Q7Z699</a>
Cytogenetics:	15q14
Domains:	WH1
Protein Pathways:	Jak-STAT signaling pathway



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**MW:** 50.3 kDa

**Gene Summary:** The protein encoded by this gene is a member of the Sprouty family of proteins and is phosphorylated by tyrosine kinase in response to several growth factors. The encoded protein can act as a homodimer or as a heterodimer with SPRED2 to regulate activation of the MAP kinase cascade. Defects in this gene are a cause of neurofibromatosis type 1-like syndrome (NFLS). [provided by RefSeq, Jul 2008]